Subject Index to Volume 55

ADEQUATE INTAKE
- definition of, 320 (Sep)
- discrepancies with usual intake, 330 (Sep)
- uses of adequate intake values, 328 (Sep)

AGING
- age-related diseases in women in developing countries, S76 (Jan)
- declining levels of chromium with age, 373 (Oct)
- effects of micronutrient supplementation on incidence of infection in elders, 401 (Nov)
- effects of vegetarian diet on, S61 (Jan)
- homocysteine changes with, S71 (Jan)
- nutritional issues associated with, S74 (Jan)
- preventive strategies for age-related illnesses in women, S76 (Jan)
- progress in research on the role of nutrition in, S75 (Jan)
- studies of age-related changes in bone and muscle mass, S69 (Jan)

ALCOHOL
- and body weight, 157 (May), 165 (May)
- and energy balance, 161 (May)
- as a risk factor for obesity, 157 (May)
- epidemiology of relationship with body weight, 158 (May)
- intervention studies of the relationship with body weight, 160 (May)
- metabolic effects of, 161 (May)

ALZHEIMER'S DISEASE
- nutrition in, 24 (Jan)
- pathology of, 23 (Jan)

ANEMIA
- measures to control, 195 (Jun)
- prevalence in Argentina, 189 (Jun)

ANEMIA OF CHRONIC DISEASE
- altered iron metabolism in, 118 (Apr)
- pathogenesis and treatment of, 116 (Apr)
- role of erythropoietin in, 117 (Apr)

ANOREXIA
- in liver disease, 18 (Jan)

ANTIOXIDANTS
- and cataracts, S71 (Jan)
- and low-density lipoproteins, S46 (Jan)
- defense systems, S45 (Jan)
- definition and mechanisms, S50 (Jan)
- general introduction, S44 (Jan)
- in gene expression, 353 (Oct), 357 (Oct)
- in signal transduction, 353 (Oct), 358 (Oct)
- mechanisms of action, S53 (Jan)
- observational studies of role in cardiovascular disease, S54 (Jan)
- optimal dietary intake of, S47 (Jan)
- prooxidative and antioxidative properties of phenolics, 396 (Nov)
- randomized trials of primary prevention using, S55 (Jan)
- role in human disease, S44 (Jan)
- role in prevention of coronary heart disease and cardiovascular disease, S53 (Jan), S56 (Jan), S58 (Jan)

ARGENTINA
- interventions to improve iron status in targeted risk groups, 193 (Jun)
- prevalence of iron deficiency and anemia in, 189 (Jun)
- preventing iron deficiency in infants and preschool children in, 189 (Jun)

ASCORBIC ACID
- effects on iron absorption, 106 (Apr)

ASIA
- nutrition transition in, 36 (Feb)

ASSOCIATION STUDIES
- of genetic variation in body mass, S24 (Jan)

ATHEROSCLEROSIS
- childhood origin of, S2 (Jan)
- dietary risk factors in Mexico, S10 (Jan)
- risk factors for, S3 (Jan), S8 (Jan)

BACTERIA
- as a source of protein, 67 (Mar)

BEHAVIOR
- effects of iron deficiency in infancy on, 125 (Apr)
- studies on the relationship with iron deficiency, 125 (Apr)

BELGIUM
- nutritional policy in, S10 (Nov)

BIRTH WEIGHT
- determinants of, S32 (Jan)
- normal values, S31 (Jan)
- relation to long-term morbidity, S32 (Jan)

BODY COMPOSITION
- long-term fetal programming of, S31 (Jan)
- role of radiologic methods in assessing, 289 (Aug)

BODY MASS
- influences on the composition of, S29 (Jan)

linkage studies of genetic variation in body mass, S24 (Jan)
relation to height and genetics, S21
role of genetics in human variation, S21 (Jan), S27 (Jan), S28 (Jan)
BODY WEIGHT
intervention studies of the relationship with alcohol consumption, 160 (May)
relationship with alcohol consumption, 157 (May), 165 (May)
requirements for maintaining weight stability, 161 (May)
role of uncoupling protein (UCPH) in body weight homeostasis, 178 (May)
BOLIVIA
study of the effects of iron supplementation on women in a high-altitude region, 248 (Jun)
BONE MASS
effects of calcium supplementation on bone mineral accretion, 371 (Oct)
high bone mass as a marker for breast cancer risk, 284 (Jul)
BOVINE HEMOGLOBIN
use in food fortification, 214 (Jun)
BREAST CANCER
high bone mass as a marker of high risk for, 284 (Jul)
BREAST-FEEDING
contributions to infant immune response, S14 (Jan), S20 (Jan)
introducing complementary foods in poor environments, 390 (Nov)
BULGARIA
diet-related diseases in, S63 (Nov)
nutritional status and policy in, S63 (Nov)

CALCIUM
adverse effects of high dietary intakes of, 1 (Jan), 3 (Jan)
association of high dietary intake with risk for kidney stones, 5 (Jan)
development of dietary reference intakes for, 335 (Sep)
goals of the Panel on Calcium and Related Nutrients, 334 (Sep), 339 (Sep)
negative interactions with other minerals, 5 (Jan), 7 (Jan)
usual dietary intake, 2 (Jan)
CALCIUM SUPPLEMENTATION
effects on bone mineral density in prepubescent girls, 371 (Oct)
CANCER
study of the effects of selenium supplementation on cancer incidence, 277 (Jul)
CARDIOVASCULAR DISEASE
prepackaged meal plan for control of risk factors for, 54 (Feb)
role of antioxidants in prevention of, S53 (Jan), S58 (Jan), S59 (Jan)

β-CAROTENE
effects of high-dose dietary supplements on cigarette smokers, 369 (Oct)
effects of supplementation, S56 (Jan)
CEREBROVASCULAR DISEASE
age-related changes, S71 (Jan)
CHILDHOOD
nutrition factors in adult cardiovascular disease, S2 (Jan), S8 (Jan)
obesity in, S5 (Jan)
origin of atherosclerosis in, S2 (Jan)
CHINA
dietary diversity in, 37 (Feb)
incomes and diet structure in, 36 (Feb)
CHROMIUM
analytic methods for measuring levels in tissue, 374 (Oct)
declining levels with age, 374 (Oct)
CIGARETTES
effects of high-dose vitamin supplements in cigarette smokers, 369 (Oct)
COGNITIVE FUNCTION
association of homocysteine levels with, S72 (Jan)
studies of the relationship with iron deficiency, 133 (Apr)
COMMON COLD
zinc lozenges reduce duration of symptoms of, 82 (Mar)
COMPARATIVE NATIONAL NUTRITION POLICIES IN EUROPE, AN INTERNATIONAL EXPERT CONFERENCE FOR THE WORLD HEALTH ORGANIZATION, S1BS76 (Nov)
conference summary, S74 (Nov)
COMPUTED TOMOGRAPHY
use in assessing body composition and related factors, 290 (Aug)
CORONARY HEART DISEASE
effects of Mediterranean diet on, 385 (Nov)
effects of nutrition policy in Norway on reduction of, S32 (Nov)
in Western Europe, S4 (Nov)
role of antioxidants in prevention of, S53 (Jan)
role of diet in, Ancel Keys Study, 385 (Nov)
CREATININE
effects of dietary supplements, 21 (Jan)
ergogenic properties of, 21 (Jan)
CYTOKINE PRODUCTION
effects of iron deficiency anemia on, 119 (Apr)
CZECH REPUBLIC
nutrition policy in, S65 (Nov)

DAIRY PRODUCTS
effects of fluid milk fortified with iron, 245 (Jun)

fortification of milk and dairy products with ferrous sulfate, 240 (Jun)
DENTAL CARIES
dietary patterns and pharmaceuticals affecting oral health, 365 (Oct)
DEPRESSION
and folate deficiency, 145 (May)
DIABETES
fetal programming for, S39 (Jan)
DIET
benefits of the Mediterranean diet, 386 (Nov)
DIETARY APPROACHES TO STOP HYPERTENSION (DASH)
clinical trial of the effects of dietary patterns on blood pressure, 303 (Aug)
DIETARY CHANGE
applying the stages-of-change model to, 10 (Jan)
in Central and Eastern Europe, S60 (Nov)
in Mediterranean Europe, S44 (Nov)
in the Netherlands, S11 (Nov)
in Norway, S35 (Nov)
in Poland, S67 (Nov)
in Switzerland, S29 (Nov)
in the United Kingdom, S16 (Nov)
DIETARY DIVERSITY
economic influences on, 37 (Feb)
in China, 37 (Feb)
DIETARY INTERVENTION
prepackaged meal plan for control of risk factors of cardiovascular disease, 54 (Feb)
DIETARY MODIFICATION
for the prevention of atherosclerosis, S4 (Jan), S10 (Jan)
DIETARY REFERENCE INTAKES (DRIs)
categories of, 320 (Sep), 327 (Sep)
definition of terms used in, 319 (Sep)
development of DRIs for calcium and related nutrients, 334 (Sep)
framework for developing, 332 (Sep)
life-stage categories used in, 323 (Sep)
origin of, 332 (Sep)
uses of, 321 (Sep), 327 (Sep), 330 (Sep)
DIETARY THERAPY
case reports of three patients with obesity-related disease, 297 (Aug)
DRUG BIOAVAILABILITY
how grapefruit juice potentiates, 398 (Nov)
DUAL-ENERGY X-RAY ABSORPTIOMETRY
to measure bone mineral density, 293 (Aug)
DUAL-PHOTON ABSORPTIOMETRY
to measure bone mineral content, 292 (Aug)

ECONOMICS
association between incomes and diet structure, 32 (Feb)
influence of economic factors on diet, 31 (Feb)
EDUCATIONAL DEFICIENCY
relationship with iron deficiency, 133 (Apr)
EGYPT
study of the relationship between iron deficiency and cognition, 133 (Apr)
EMPHYSEMA
retinoic acid as a therapy for, 307 (Aug)
ENERGY METABOLISM
elements of, 157 (May)
ENTERAL NUTRITION
effect on pancreatic secretions, 280 (Jul)
use of total parenteral nutrition in acute pancreatitis, 279 (Jul)
EPIDEMIOLOGIC STUDIES
perspectives in, S59 (Jan)
ERGOGENIC AGENT
creatinine as an, 21 (Jan)
ESOPHAGEAL VARICES
in liver disease, 18 (Jan)
ESSENTIAL FATTY ACIDS
role in pregnancy, S36 (Jan)
ESTIMATED AVERAGE REQUIREMENT
assessing adequate nutrient intake in groups, 329 (Sep)
definition of, 320 (Sep)
planning adequate nutrient intake of groups, 330 (Sep)
uses of, 329 (Sep)
ESTONIA
nutrition policy in, S66 (Nov)
EUROPE
Central, food consumption and health trends in, S60 (Nov)
Central, nutrition policy in, S58 (Nov)
Eastern, food consumption and health trends in, S60 (Nov)
Eastern, nutrition policy in, S58 (Nov)
Mediterranean, dietary trends in, S44 (Nov)
Mediterranean, nutrition policies in, S42 (Nov), S52 (Nov)
Western, health issues and nutrition policy in, S4 (Nov)
Western, national differences in food patterns and nutrient intake, S5 (Nov)

FAT DISTRIBUTION PATTERNS
effects of alcohol on, 165 (May)
FATS
changing influence of oils on diets in developing nations, 34 (Feb)
human preference for, 39 (Feb)
FETAL GROWTH
impairment of, S37 (Jan)
intergenerational effects of, S39 (Jan)
effects of maternal nutritional status on, S31 (Jan), S41 (Jan), S42 (Jan)
FINLAND

health concerns in, S26 (Nov)
history of diet in, S21 (Nov)
nutrition policy in, S23 (Nov)
FIRST NÉSTLE CONFERENCE ON NUTRITION, NUTRITIONAL INFLUENCES IN EARLY AND LATER LIFE, S1BS81 (Jan)
discussion sessions, S78 (Jan)
foreword, S1
FLUORIDE
development of dietary reference intakes for, 335 (Sep), 340 (Sep)
FOLATE
and central nervous system metabolism, 147 (May)
in the treatment of depression, 146 (May)
relationship to response to antidepressants, 146 (May)
FOLATE DEFICIENCY
in depressive disorders, 145 (May), 148 (May)
FOLIC ACID
role in pregnancy, S34 (Jan)
FOOD AND AGRICULTURE ORGANIZATION
history of, 310 (Aug), S1 (Nov)
FOOD CRAVINGS
definition and biologic factors of, 269 (Jul)
during the menstrual cycle, 272 (Jul)
FOOD FORTIFICATION
bioavailability and organoleptic considerations in iron fortification, 212 (Jun)
enhancing absorption of fortification iron, 214 (Jun)
food vehicles for iron fortification, 217 (Jun)
fortification of milk and dairy products with ferrous sulfate, 240 (Jun)
general criteria for, 46 (Feb)
iron fortification of maize and wheat flour in Venezuela, 237 (Jun)
new approaches to, 48 (Feb)
policy in the United States, 44 (Feb)
preventing iron deficiency through, 210 (Jun)
public health policy to prevent deficiency diseases, 44 (Feb)
FOOD INTAKE
association with mood in women, 270 (Jul)
association with the menstrual cycle, 269 (Jul)
FOOD POISONING
caused by *Listeria monocytogenes,* 57 (Feb)
FRANCE
nutritional policy in, S13 (Nov)
FREE RADICALS
damage caused by, S45 (Jan)
in the pathophysiology of liver disease, S52 (Jan)
measurement of free radical generation with isoprostanes, 404 (Nov)
FUNCTIONAL FOODS
distinguishing foods and drugs, 414 (Dec)
factors making establishment of food-disease relationship difficult, 419 (Dec)
health and functional claims for, 415 (Dec)
proposed guidelines for establishing international agreement on health claims for, 421 (Dec)
scientific criteria for health claims for, 413 (Dec), 417 (Dec)
various types of claims for, 413 (Dec)
FUNGI
as a source of protein, 67 (Mar)

GENE EXPRESSION
role of reactive oxygen species and antioxidants in, 353 (Oct)
GENETICS
linkage studies of genetic variation in body mass, S24 (Jan)
relation to body mass and height, S21 (Jan)
role in intrauterine fetal programming, S41
role in variation in human body mass, S21 (Jan), S27 (Jan), S28 (Jan)
GERMANY
nutrition policy in, S40 (Nov)
GLOBAL DIET
new trends, 31 (Feb), 40 (Feb)
GRAPEFRUIT JUICE
drugs affected by interaction with, 398 (Nov)
mechanism potentiating drug bioavailability, 398 (Nov)

HEALTH
impact of nutrition transition on children's health, 40 (Feb)
HEALTH CLAIMS
Codex Alimentarius definition of terms used in, 415 (Dec)
definition in various countries, 414 (Dec)
factors making establishment of food-disease relationship difficult, 419 (Dec)
for functional foods, 413 (Dec), 415 (Dec)
implying relationship between a food and a physiologic condition, 417 (Dec)
proposed guidelines for establishing international agreement on, 421 (Dec)
scientific considerations for validation of, 417 (Dec)
versus nutrient content claims, 416 (Dec)
HEMOCHROMATOSIS
nutrient toxicity, 52 (Feb)
HERMES PROMOTION AWARD FOR RESEARCH ON MINERALS 1997, 26 (Jan)
HIGH ALTITUDE
effects on iron metabolism, 247 (Jun)
HOMOCYSTEINE
association with disease and aging, S71 (Jan)
HONDURAS
study of the effects of introducing foods at 4 versus 6 months, 390 (Nov)
HOOKWORM CONTROL

efficacy trials of, to improve iron status, 228 (Jun)
recommended approaches to, 229 (Jun)
to prevent iron deficiency, 223 (Jun)
HOOKWORM INFECTION
effects on iron status, 224 (Jun)
prevalence and epidemiology, 223 (Jun)
relationship with iron deficiency anemia, 225 (Jun)
treatment and prevention of, 227 (Jun)
HUNGARY
nutrition policy in, S66 (Nov)
HYPERTENSION
dietary intervention, Dietary Approaches to Stop Hypertension (DASH), 303 (Aug)
dietary therapy and pharmacotherapy in an obese patient with, case report, 297 (Aug)
relationship to sodium intake, 172 (May)
studies of the efficacy and safety of low-sodium diets, 173 (May)

IMMUNE FUNCTION
maternal contributions via placenta, S13 (Jan)
passive and active contributions to infants' immunity via breast-feeding, S14 (Jan)
role of oral tolerance in, S15 (Jan)
IMMUNE RESPONSE
effects of iron deficiency anemia on, 119 (Apr)
IMMUNE SYSTEM
description of, S12 (Jan), S18 (Jan)
effects of micronutrient supplementation on incidence of infection in elders, 401 (Nov)
of infants, S18 (Jan), S19 (Jan)
IMMUNOCOMPETENCE
early determinants of, S12 (Jan)
INDONESIA
study of the relationship between iron deficiency and cognition, 133 (Apr)
INFANTS
effects of introducing complementary foods at 4 versus 6 months, 390 (Nov)
INFECTION
effects of acute infections in infancy on iron status, 119 (Apr)
effects of micronutrient supplementation on incidence in elders, 400 (Nov)
effects on iron metabolism and anemia, 115 (Apr)
relationship to iron status, 111 (Apr)
INOSITOL
myo-inositol in the prevention of neural tube disorders in mice, 176 (May)
INTERNATIONAL NUTRITION AGENCIES
half-century perspective on, 309 (Aug)
goals of FAO, UNICEF, and WHO, 311 (Aug)
IRELAND
nutritional policy in, S14 (Nov)
IRON
bioavailability of, 212 (Jun)
bioavailability of various compounds, 240 (Jun)
compounds of, 211 (Jun)
daily versus weekly doses (letter), 141 (Apr), 408 (Nov)
enhancing iron absorption in fortified foods, 214 (Jun)
food vehicles for fortification, 217 (Jun)
fortification of milk and dairy products with ferrous sulfate, 240 (Jun)
interactions with other nutrients, 102 (Apr)
negative impact of high dietary calcium intake on absorption, 5 (Jan)
relationship of iron status and infection, 111 (Apr)
role in pregnancy, S34 (Jan)
SFE-171 (Biofer®), a ferrous sulfate compound with high bioavailability, 241 (Jun)
studies of absorption and utilization in experimental animals, 201 (Jun)
studies on absorption of daily and weekly doses, 206 (Jun)
IRON ABSORPTION
daily versus weekly doses, 206 (Jun)
experimental animal studies, 201 (Jun)
factors affecting absorption from whole diets, 235 (Jun)
factors affecting absorption from meals, 235 (Jun)
heme iron absorption, 106 (Apr)
intraluminal heme and nonheme iron pools, 233 (Jun)
nonheme iron absorption, enhancers and inhibitors of, 102 (Apr)
nutrients affecting, 106 (Apr)
IRON DEFICIENCY
absorption of other metals in iron-deficient animals, 107 (Apr)
and pregnancy, 91 (Apr)
consequences during pregnancy, 93 (Apr)
consequences of, 195 (Jun)
controlling hookworms to prevent, 223 (Jun)
definition and prevalence of anemia in women in Bolivia, 247 (Jun)
diagnosing during pregnancy, 93 (Apr)
effects of infection on, 115 (Apr)
effects on immune function and production of cytokines, 119 (Apr)
effects on psychomotor development, 126 (Apr)
etiology in developing countries, 210 (Jun)
functional consequences of, 183 (Jun)
in the Americas, 183 (Jun)
interventions to improve iron status in targeted risk groups in Argentina, 193 (Jun)
measures to control, 195 (Jun)
mechanisms of the association of infant iron deficiency and psychomotor delay, 130 (Apr)
pathogenesis and treatment of anemia of chronic disease, 116 (Apr)
prevalence of iron deficiency and anemia in Argentina, 189 (Jun)

prevention in infants and preschool children in Argentina, 189 (Jun)
prevention through food fortification, 210 (Jun)
prevention through fortification of household foods, 233 (Jun)
relationship of hookworm infection with anemia, 225 (Jun)
relationship with educational deficiency, 133 (Apr)
relationship with infection, 111 (Apr)
strategies of Pan American Health Organization/WHO for control of, 184 (Jun)
studies on the relationship with behavior, 125 (Apr)
world status, 195 (Jun)
IRON METABOLISM
alterations in anemia of chronic disease, 119 (Apr)
during pregnancy, 91 (Apr)
effects of infection on, 115 (Apr)
IRON SUPPLEMENTATION
benefits during pregnancy, 95 (Apr)
effect of iron-fortified foods on infection during infancy, 113 (Apr)
evaluation of past and current efforts, 196 (Jun)
for control of iron deficiency in populations at risk, 195 (Jun)
importance of vitamin A status during, 306 (Aug)
in women living at high altitudes, 248 (Jun)
preventive supplementation, 200 (Jun)
recommendations during pregnancy, 97 (Apr), 197 (Jun)
relationship to infection, 112 (Apr)
studies of daily and intermittent supplementation, 202 (Jun)
studies on the relationship of iron deficiency and behavior in children, 129 (Apr)
ISOPROSTANES
as oxidant stress markers in coronary reperfusion, 405 (Nov)
properties of 8-epi-$PGF_{2\alpha}$, 405 (Nov)
ITALY
diet-related disease in, S48 (Nov)
nutrition policy in, S47 (Nov)

JAPAN
nutrition transition in, 38 (Feb)

KIDNEY DISEASE
impact on nutrient toxicity, 50 (Feb)
KIDNEY STONES
association with high calcium intakes, 5 (Jan)
KWASHIORKOR
work of international agencies to address protein deficiencies, 311 (Aug)

LATIN AMERICA
body composition studies in, S27 (Jan)
strategies for control of iron deficiency anemia in, 184 (Jun)
LEPTIN
neuropeptides responding to, 85 (Mar)
role in controlling food intake, 153 (May)
LINKAGE STUDIES
of genetic variation in body mass, S24 (Jan)
LIPOPROTEINS
dietary effects on plasma concentrations in youth, S4 (Jan)
infant nutrition effects on metabolism, S5 (Jan)
plasma concentrations in youth, S4 (Jan)
role of low-density lipoproteins in formation of atherosclerotic plaques, S58 (Jan)
LIPOPROTEIN[A]
description and structure of, 61 (Mar)
detection and occurrence of, 62 (Mar)
independent risk factor for coronary heart disease, 61 (Mar)
pathogenicity of, 63 (Mar)
LISTERIA MONOCYTOGENES
as a cause of food poisoning, 57 (Feb)
LISTERIOSIS
Listeria monocytogenes in, 57 (Feb)
outbreak of, 57 (Feb)
symptoms of, 57 (Feb)
LIVER DISEASE
dietary intervention in, 17 (Jan)
esophageal varices and anorexia in, 18 (Jan)
impact on nutrient toxicity, 50 (Feb)
nutrition assessment in, 17 (Jan)
nutritional requirements of patients with, 18 (Jan)
restriction of protein, fat, sodium, and fluid intake in, 17 (Jan)
LIVER TRANSPLANTATION
nutritional assessment prior to, 18 (Jan)
LONGEVITY
effects of vegetarian diet on, S61 (Jan)
long-term fetal programming of, S31 (Jan)
LYMPHOCYTES
B cells during fetal life and in neonates, S13 (Jan)
T cells during fetal life and in neonates, S12 (Jan)

MAGNESIUM
development of dietary reference intakes for, 335 (Sep)
negative impact of high dietary calcium intake on status, 6 (Jan)
MAGNETIC RESONANCE IMAGING
use in assessing body composition and related factors, 290 (Aug)
MALNUTRITION
collaborative efforts to combat micronutrient deficiencies, 76 (Mar)
roles of government, industry, and academic institutions in partnerships addressing micronutrient mal-

nutrition, 77 (Mar)
MALTA
nutrition policy in, S46 (Nov)
MATERNAL NUTRITION
effects on fetal growth trajectory, S33 (Jan)
effects on fetus, S31 (Jan), S41 (Jan), S42 (Jan)
MATRIX Gla PROTEIN (MGP)
abnormal calcification in MGP-deficient mice, 283 (Jul)
skeletal functions of, 282 (Jul)
MEDITERRANEAN DIET
association with reduced risk for coronary heart disease, 386 (Nov)
biologic evidence for health benefits of, 386 (Nov)
description of, 383 (Nov), S44 (Nov)
early evidence for health benefits of, 384 (Nov)
practical applications of, 387 (Nov)
MENSTRUAL CYCLE
association with food intake, food cravings, and mood, 269 (Jul)
hormonal changes of, 268 (Jul)
MEXICO
adverse and beneficial effects of plant-based diets in rural Mexico, S65 (Jan)
atherosclerosis in, S10 (Jan)
high prevalence of insulin resistance in, S28 (Jan)
immune system research in, S20 (Jan)
lipid value study in, S8 (Jan)
pathologies of pregnancy in, S41 (Jan)
MICROALGAE
as a source of protein, 67 (Mar)
MICRONUTRIENTS
collaborative efforts to combat malnutrition, 76 (Mar)
effects of supplementation on incidence of infections in elders, 400 (Nov)
food fortification in the United States, 44 (Feb)
MICROORGANISMS
as an alternative source of protein, 65 (Mar)
categories and characteristics of microorganisms suitable for protein production, 67 (Mar)
potential as a protein source for humans, 66 (Mar)
substrates for production of protein sources, 69 (Mar)
MILK-ALKALI SYNDROME
description of, 3 (Jan)
forms of, 4 (Jan)
MOOD
influence of food on, 270 (Jul)

NETHERLANDS
nutritional policy in, S11 (Nov)
NEURAL TUBE DEFECTS
myo-inositol in the prevention of, in mice, 176 (May)
pathology and causes of, 176 (May)
NEUROPEPTIDES
responding to leptins, 85 (Mar)
NEUTRON INELASTIC SCATTERING
to measure total body carbon and oxygen, 293 (Aug)
NITROGEN
role in human disease, S48 (Jan), S52 (Jan)
NORWAY
effects of nutrition policy on incidence of coronary heart disease in, S34 (Nov)
history of nutrition policy in, S32 (Nov)
international nutrition policy in, S34 (Nov)
new developments in nutrition policy-making in, S37 (Nov)
resistance to nutrition policy in, S35 (Nov)
NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY
use in assessing metabolic parameters, 291 (Aug)
NUTRIENT BIOAVAILABILITY
factors affecting, 346 (Sep)
NUTRIENT TOXICITY
effects of drugs on, 52 (Feb)
impact of disease states on, 50 (Feb)
NUTRITION
and age-associated disorders, S75 (Jan)
and senescence, S69 (Jan)
effects of maternal nutrition on fetal growth trajectory, S33 (Jan)
effects of maternal nutrition on the fetus, S31 (Jan), S41 (Jan), S42 (Jan)
factors influencing outcome of pregnancy, S33 (Jan)
in childhood, S2 (Jan)
in liver disease, 17 (Jan)
in post-war Europe, S1 (Nov)
influence on the aging process, S74 (Jan)
problems in adolescent pregnancies, S37 (Jan)
NUTRITION INFORMATION
on-line information, Tufts University Nutrition Navigator, 409 (Nov)
regulation of health claims conveying, 416 (Dec)
NUTRITION POLICY
history of, S1 (Nov)
in Belgium, S10 (Nov)
in Central and Eastern Europe, S58
in Germany, S40 (Nov)
in Estonia, S66 (Nov)
in Finland, S21 (Nov)
in France, S13 (Nov)
in Hungary, S66 (Nov)
in Ireland, S14 (Nov)
in Mediterranean Europe, S42 (Nov), S46 (Nov)
in the Netherlands, S11 (Nov)
in Norway, S32 (Nov)
in Poland, S68 (Nov)
in Romania, S70 (Nov)
in the Slovak Republic, S71 (Nov)
in Spain, S49 (Nov)
in Switzerland, S29 (Nov)
in the United Kingdom, S16 (Nov)
in Western Europe, S4 (Nov)

international interest in, S2 (Nov)
methods of implementing, S75 (Nov)
organizational structures and commissions implementing policy, S74 (Nov)
quantitative versus qualitative, S2 (Nov)
NUTRITION PROGRAMS
past and present, 312 (Aug)
NUTRITION TRANSITION
acceleration of, 31 (Feb)
in Asia, 36 (Feb)
in Japan, 38 (Feb)
new trends in the global diet, 31 (Feb), 40 (Feb)
NUTRITIONAL ASSESSMENT
prior to liver transplantation, 18 (Jan)
NUTRITIONAL STATUS
influence during pregnancy, S41 (Jan)

OBESITY
alcohol as a risk factor for, 157 (May)
case reports of three patients with obesity-related disease, 297 (Aug)
complications of, 152 (May)
environmental susceptibility to, 152 (May)
genetic and metabolic components of, 150 (May)
impact on public health, 150 (May)
in childhood, S5 (Jan)
influence of nutrition transition on obesity in childhood, 40 (Feb)
neuropeptides responding to leptin, 85 (Mar)
pharmacotherapy in patients with obesity-related disease, 299 (Aug)
potential solutions for, 150 (May)
preweaning nutrition effects on, S6 (Jan)
role of genetics in, S28 (Jan)
role of leptin in controlling food intake, 153 (May)
treatment of, 154 (May)
ON-LINE RESOURCES
Tufts University Nutrition Navigator, 409 (Nov)
OPPORTUNITIES FOR MICRONUTRIENT INTERVENTIONS (OMNI)
collaboration among government, industry, and academia, 78 (Mar)
ORAL HEALTH
dental and dietary methods promoting, 364 (Oct)
dietary recommendations for preventing caries in patients with xerostoma, 367 (Oct)
ORAL TOLERANCE
development of, S20 (Jan)
role in immune response, S15 (Jan)
OSTEOCALCIN
increased bone formation in osteocalcin-deficient mice, 282 (Jul)
skeletal functions of, 282 (Jul)
OXIDATION
prooxidative and antioxidative properties of phenolics, 396 (Nov)
OXIDATIVE STRESS
definition and effects of, S47 (Jan)

PANCREATITIS, ACUTE
phases of exocrine pancreatic secretion, 279 (Jul)
use of total parenteral nutrition in, 280 (Jul)
PERNICIOUS ANEMIA
nutrient toxicity in the setting of, 51 (Feb)
PEROXINITRATE
role of γ-tocopherol in counteracting, 376 (Oct)
PHENOLICS
prooxidative and antioxidative properties of, 396 (Nov)
PHOSPHORUS
development of dietary reference intakes for, 335 (Sep)
negative impact of high dietary calcium intake on status, 6 (Jan)
POLAND
nutrition policy in, S68 (Nov)
PREGNANCY
benefits of iron supplementation during, 95 (Apr)
consequences of iron deficiency during, 93 (Apr)
effect of nutritional status during, S41 (Jan)
iron deficiency in, 91 (Apr)
iron requirements during, 92 (Apr)
nutritional factors affecting outcome, S33 (Jan), S42 (Jan)
recommended iron supplementation doses during, 197 (Jun)
special nutritional problems of adolescent pregnancies, S37 (Jan)
studies of iron supplementation during, 204 (Jun)
supplementary feeding trials during, S37 (Jan)
PREMENSTRUAL SYNDROME
food intake during, 272 (Jul)
symptoms of, 268 (Jul)
PROTEIN
microorganisms as an alternative source of, 65 (Mar)
nutritive value and safety of proteins derived from microorganisms, 70 (Mar)
role in pregnancy, S34 (Jan)
work of international agencies to address deficiencies, 311 (Aug)
PSYCHOMOTOR DEVELOPMENT
effects of iron deficiency in infants on, 125 (Apr)
mechanisms of the association of delayed development with iron deficiency, 130 (Apr)
PUBLICATION ANNOUNCEMENTS
Dietary Fat: Some Aspects of Nutrition and Health and Product Development, 28 (Jan)
Health Issues Related to Alcohol Consumption, 28 (Jan)
Nutritional Epidemiology: Possibilities and Limitations, 28 (Jan)
Present Knowledge in Nutrition, 29 (Jan), 412 (Nov)

QUANTITATIVE COMPUTED TOMOGRAPHY
to measure bone mineral density, 293 (Aug)

RADIOLOGY
radiologic methods for assessing body composition and related metabolic parameters, 289 (Aug)
REACTIVE OXYGEN SPECIES
discussion of, S44 (Jan), S50 (Jan)
in gene expression, 353 (Oct), 354 (Oct)
in signal transduction, 353 (Oct), 354 (Oct)
RECOMMENDED DIETARY ALLOWANCE
definition, 320 (Sep)
nutrient recommendations for individuals, 327 (Sep)
use in assessing adequacy of nutrient intake in individuals, 328 (Sep)
REFERENCE WEIGHTS, 324 (Sep)
RETINOIC ACID
as a therapy for emphysema, 307 (Aug)
RETINOYL β-GLUCURONIDE
absorption of, 264 (Jul)
biologic activity of, 262 (Jul)
biosynthesis of, 260 (Jul)
chemical synthesis and properties of, 261 (Jul)
metabolism of, 262 (Jul)
teratogenicity of, 263 (Jul)
therapeutic applications of, 264 (Jul)
RISK ASSESSMENT
application of risk assessment model to nutrients, 345 (Sep)
in deriving tolerable upper intake levels, 343 (Sep)
ROMANIA
nutrition policy in, S70 (Nov)

SELENIUM
effects of supplementation on incidence of cancer in areas with low soil levels, 277 (Jul)
SENESCENCE
and nutrition, S68 (Jan)
SEROTONIN REUPTAKE INHIBITORS
implications of xerostoma and caries caused by, 362 (Oct)
SFE-171 (BIOFER®)
a ferrous sulfate compound with high bioavailability, 241 (Jun)
absorption and stability studies, 241 (Jun), 244 (Jun)
absorption mechanism, 242 (Jun)
influence of additives on absorption, 242 (Jun)
metabolic and biochemical studies, 243 (Jun)
toxicity studies, 244 (Jun)
SIGNAL TRANSDUCTION
role of reactive oxygen species and antioxidants in, 353 (Oct)
SINGLE-PHOTON ABSORPTIOMETRY
to measure bone mineral content and density, 292 (Aug)
SIPPY DIET, 3 (Jan)
SLEEP APNEA
dietary therapy and pharmacotherapy in an obese patient with, case report, 297 (Aug)
SLOVAK REPUBLIC
nutrition policy in, S71 (Nov)
SODIUM
disagreement over evidence for restricting intake of, 173 (May)
relationship of intake to hypertension, 172 (May)
studies of the efficacy and safety of low-sodium diets, 173 (May)
SODIUM IRON EDTA
use in food fortification, 215 (Jun)
SPAIN
nutrition policy in, S49 (Nov)
STAGES-OF-CHANGE MODEL
application to dietary change, 10 (Jan)
application to weight and cholesterol reduction, 13 (Jan)
assessment of dietary fat intake using the, 11 (Jan), 13 (Jan)
assessment of healthful dietary changes using the, 12 (Jan)
STEATOHEPATITIS
dietary therapy and pharmacotherapy in an obese patient with, case report, 298 (Aug)
STUDY DESIGN
assessing multiple infant and maternal outcomes in infant feeding study, 391 (Nov)
SUGAR
human preference for, 39 (Feb)
SUPPLEMENTS
feeding trials during pregnancy, S37 (Jan)
SWITZERLAND
nutrition policy in, S29 (Nov)
nutrition-related disease in, S30 (Nov)

THAILAND
study of the relationship between iron deficiency and cognition, 133 (Apr)
γ-TOCOPHEROL
role in protecting lipids against peroxidation, 376 (Oct)
TOLERABLE UPPER INTAKE LEVELS
definition, 320 (Sep)
development of, 342 (Sep), 347 (Sep)
glossary of terms used in establishing, 350 (Sep)
model for derivation of, 342 (Sep)
risk assessment in developing, 343 (Sep)
role of nutrient bioavailability in establishing, 346 (Sep)
uses of, 328 (Sep)

UNCOUPLING PROTEIN
role of UCPH in energy expenditure and body weight homeostasis, 178 (May)

UNITED KINGDOM
nutritional policy in, S16 (Nov)
regional differences in nutrition policy, S18 (Nov)
UNITED NATIONS CHILDREN'S EMERGENCY FUND (UNICEF)
history of, 309 (Aug)
UNITED NATIONS SUBCOMMITTEE ON NUTRITION
role of, 312 (Aug)
UNITED NATIONS UNIVERSITY
activities in nutrition, 311 (Aug)
UNITED STATES
food fortification in, 44 (Feb)
UPPER REFERENCE LEVELS
goals of the Subcommittee on, 334 (Sep)
URBANIZATION
effects on diet structure, 34 (Feb)

VEGETARIAN DIETS
adverse and beneficial effects of plant-based diets in rural Mexico, S65 (Jan)
benefits of, S63 (Jan)
diet adequacy and risks of, S61 (Jan), S63 (Jan)
effects on aging and longevity, S61 (Jan)
Third World and evolutionary view of effects of, S67 (Jan)
VITAMIN A
effects on iron absorption, 106 (Apr)
importance of vitamin A status during iron supplementation, 307 (Aug)
retinoyl β-glucuronide, 259 (Jul)
toxicity influenced by kidney and liver disease, 51 (Feb)
VITAMIN C
status in cigarette smokers, 369 (Oct)
to enhance absorption of iron in fortified foods, 214 (Jun)
VITAMIN D
development of dietary reference intakes for, 335 (Sep), 340 (Sep)
role in bone mineral maintenance, S70 (Jan)
VITAMIN E
comparison of α- and γ-tocopherol in inhibition of lipid peroxidation, 376 (Oct)
effects of high doses of α-tocopherol on cigarette smokers, 370 (Oct)
effects on oxidation of low-density lipoprotein, S59 (Jan)
role in prevention of heart disease, S56 (Jan), S58 (Jan)
VITAMIN K–DEPENDENT PROTEINS
skeletal functions of, 282 (Jul)
VITAMIN SUPPLEMENTS
effects of high-dose supplements on cigarette smokers, 369 (Oct)

WEIGHT LOSS
predictors of success, 155 (May)
treatments for obesity, 154 (May)
WEIGHT STABILITY
effects of alcohol on energy balance, 161 (May)
effects of alcohol on substrate balance, 163 (May)
requirements for, 161 (May)
role of uncoupling protein (UCPH) in, 178 (May)
WOMEN
diseases of aging in, S76 (Jan)
prevention of age-related diseases in, S76 (Jan)
WORLD BANK
activities in nutrition, 311 (Aug)
WORLD HEALTH ORGANIZATION (WHO)
history of, 310 (Aug), S1 (Nov)
WORLD NUTRITION
half-century perspective on, 309 (Aug)

XEROSTOMA
caused by serotonin reuptake inhibitors, case report, 362 (Oct)
dietary recommendations for preventing caries in patients with, 367 (Oct)
impact of drug-induced xerostoma on oral health, case report, 362 (Oct)

YEASTS
as a source of protein, 67 (Mar)

ZINC
competition with iron, 107 (Apr)
lozenges reduce duration of common cold symptoms, 82 (Mar)
negative impact of high dietary calcium intake on bioavailability of, 6 (Jan)

Author Index to Volume 55

Aguayo VM, 247 (Jun)
Ahlstedt S, S12 (Jan)
Albonico M, 223 (Jun)
Albu J, 150 (May)
Alcocer-Varela J, S19 (Jan)
Allen LH, 91 (Apr)
Allison D, 150 (May)
Alpert JE, 145 (May)
Avila-Rosas H, S59 (Jan)

Babinska K, S58 (Nov)
Barth CA, S40 (Nov)
Barua AB, 259 (July)
Bellizzi M, S4 (Nov), S42 (Nov)
Bengoa JM, 309 (Aug)
Berger J, 247 (Jun)
Bjørneboe GEA, S32 (Nov)
Boccio JR, 240 (Jun)
Booth SL, 282 (Jul)
Boozer CN, 150 (May)
Botten G, S32 (Nov)
Bouchard C, S21 (Jan)
Boyd LD, 362 (Oct)
Buring JE, S53 (Jan)

Caballero B, 284 (Jul)
Carmuega ES, 189 (Jun)
Caro RA, 240 (Jun)
Carter LM, 371 (Oct)
Castillo M, 125 (Apr)
Chwaya HM, 223 (Jun)
Clydesdale FM, 413
Corish C, 17 (Jan)
Cravioto C, S76 (Jan)

Dahlgren U, S12 (Jan)
Dahlman-Höglund A, S12 (Jan)
Darton-Hill I, 76 (Mar)
de Andraca I, 125 (Apr)
Decker EA, 396 (Nov)
DeLuca LM, 307 (Aug)
DeMeo MT, 297 (Aug)
Drewnowski A, 31 (Feb)
Dreyfuss ML, 223 (Jun)
Durán P, 189 (Jun)
Dwyer JT, 362 (Oct)

Eriksson KEL, 65 (Mar)

Fava M, 145 (May)
Feldman EB 398 (Nov)
Ferro-Luzzi A, S42 (Nov)
Fleet JC, 277 (Jul)
Folstein M, 23 (Jan)
Franco-Bourland RE, S58 (Jan)
Frongillo EA, 390 (Nov)
Freire WB, 183 (Jun)

Galloway R, 408 (Nov)
García-Casal MN, 233 (Jun)
Gómez EO, S49 (Jan)
Gotelli CA, 240 (Jun)
Gotelli MJ, 240 (Jun)
Gutiérrez-Robledo LM, S74 (Jan)

Habicht JP, 390 (Nov)
Halliwell B, S44 (Jan)
Handelman GJ, 369 (Oct)
Hanson LA, S12 (Jan)
Harris ED, 61 (Mar)
Häsler E, 157 (May)
Helsing E, S1 (Nov)
Hennekens CH, S53 (Jan)
Hernández SV, S27 (Jan)
Heymsfield S, 150 (May)
Hurrell RF, 210 (Jun)

James WPT, S31 (Jan), S4 (Nov), S74 (Nov)
Johansson L, S32 (Nov)
Johnson MA, 4000 (Nov)

Karamitsios N, 279 (Jul)
Karlsson M, S12 (Jan)
Kaufer-Horwitz M, S10 (Jan)
Kazi N, 297 (Aug)
Kershenobich D, S52 (Jan)
Kissileff H, 150 (May)
Kokko S, S21 (Nov)
Kretser A, 150 (May)
Krumhar K, 150 (May)

Kuhad RC, 65 (Mar)
Kurzer MS, 268 (July)

Lagiou P, 383 (Nov)
Layrisse M, 233 (Jun)
Leibel R, 150 (May)
Lerman I, S8 (Jan)
Lujan C, 247 (Jun)
Lundin S, S12 (Jan)
Lüthy J, S29 (Nov)
Lynch SR, 102 (Apr)

Margetts BM, 10 (Jan)
Mayer J, 369 (Oct), 404 (Nov)
McGill HC, S2 (Jan)
McGuire J, 408 (Nov)
Meydani M, 404 (Nov)
Mertz W, 44 (Feb), 373 (Oct)
Mikolaitis S, 297 (Aug)
Mobarhan S, 297 (Aug)
Muñoz C, 111 (Apr)

Ni Mhurchu C, 10 (Jan)
Nonas C, 150 (May)
Norum KR, S32 (Nov)

O'Brien K, 284 (Jul)
O'Donnell AM, 189 (Jun)
Olivares M, 111 (Apr)
Oshaug A, S32 (Nov)

Palmer HJ, 353 (Oct)
Papas A, 362 (Oct)
Paulson KE, 353 (Oct)
Petrova S, S58 (Nov)
Pi-Sunyer X, 150 (May)
Pizarro F, 111 (Apr)
Plourde G, 289 (Aug)
Pollitt E, 133 (Apr)
Popkin BM, 31 (Feb)
Porter KH, 400 (Nov)

Ralph A, S4 (Nov)
Räsänen L, S21 (Nov)
Ribaya-Mercado JD, 306 (Aug)
Rosado JL, S65 (Jan)
Rosenberg IH, S69 (Jan)
Ross SA, 307 (Aug)
Russell RM, 50 (Feb)

Salleras L, S42 (Nov)
San Miguel JL, 247 (Jun)
Sánchez-Castillo CP, S67 (Jan)
Santos-Argumedo L, S18 (Jan)
Saxena RK, 65 (Mar)
Sekula W, S58 (Nov)
Serra-Majem L, S42 (Nov)
Singh A, 65 (Mar)
Solomons NW, 141 (Apr)
Speller VM, 10 (Jan)
Stoltzfus RJ, 223 (Jun)
Suter PM, 157 (May)

Telemo E, S12 (Jan)
Tellez W, 247 (Jun)
Toler SM, 21 (Jan)
Tovar AR, S28 (Jan)
Traissac P, 247 (Jun)
Trichopoulou A, 383 (Nov)
Tripathi KK, 65 (Mar)

Vadillo-Ortega F, S41 (Jan)
Valencia ME, S42 (Jan)
VanItallie T, 150 (May)
Vetter W, 157 (May)
Viteri FE, 195 (Jun)

Walter P, S61 (Jan)
Walter T, 111 (Apr), 125 (Apr)
Wedral E, 150 (May)
Weill R, 240 (Jun)
Whiting SJ, 1 (Jan), 371 (Oct)
Wolf G, 85 (Mar), 178 (May), 376 (Oct)
Wood RJ, 1 (Jan)

Zemel MB, 303 (Aug)
Zentella A, S49 (Jan)
Zubillaga MB, 240 (Jun)